

CLAIMS

We claim:

1. A method of making a load bearing member for use in an elevator system,
5 comprising:
roughening at least one surface of a polymer jacket that generally surrounds a plurality of tension members.
2. The method of claim 1, including at least one of chemically or mechanically
10 roughening the surface
3. The method of claim 2, wherein chemically roughening includes at least one of applying a chemical to the one surface or chemically etching the one surface.
- 15 4. The method of claim 2, wherein mechanically roughening includes at least one of abrading the one surface, rubbing the one surface, grinding the one surface or embossing the one surface.
5. The method of claim 1, including embossing the one surface.
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6. The method of claim 1, including extruding the polymer onto the tension member and causing melt fracture during the extruding.
7. The method of claim 1, including forming the jacket about the tension member
25 and reducing a temperature of a forming device to thereby roughen at least the one surface.
8. The method of claim 1, including establishing a plurality of impressions on the one surface having a depth of at least approximately 5 microns.
- 30 9. The method of claim 1, including establishing a non-glossy texture on the one surface.

10. The method of claim 1, including heating localized portions of the one surface.

11. The method of claim 10, wherein the localized heating includes at least one of melting, vaporizing or burning some of the jacket material at the localized portions.

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12. A load bearing member for use in an elevator system, comprising:
at least one tension member; and
a jacket generally surrounding the tension member and having at least one rough surface on an exterior of the jacket.

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13. The load bearing member of claim 12, wherein the one surface is non-glossy.

14. The load bearing member of claim 12, wherein the jacket has a generally rectangular cross section including a width and a thickness and wherein the rough surface extends across the entire width.

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15. The load bearing member of claim 12, wherein the one surface includes a plurality of impressions that have a depth of at least approximately 2 microns.

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16. The load bearing member of claim 12, wherein the one surface includes a plurality of grooves extending across a width of the jacket with a section of the jacket between each set of adjacent grooves and wherein each section has the rough surface.

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17. The load bearing member of claim 12, wherein the one surface has a texture that generally corresponds to a surface on a sheave of the elevator system.

18. The load bearing member of claim 12, wherein the rough surface includes an embossed pattern.

19. A load bearing member for use in an elevator system, made by the method comprising:

5 roughening at least one surface of a polymer jacket that surrounds at least one tension member.

20. The load bearing member of claim 19, wherein the method includes chemically roughening the one surface.

10 21. The load bearing member of claim 19, wherein the method includes mechanically roughening the one surface using at least one of rubbing, grinding, abrading or embossing a rough pattern on the surface.

15 22. The load bearing member of claim 19, wherein the method includes extruding the polymer onto the tension members and causing melt fracture during the extruding.

23. The load bearing member of claim 19, wherein the method includes heating localized portions of the one surface.

20 24. The load bearing member of claim 23, wherein the localized heating includes at least one of vaporizing, melting or burning the jacket material at the localized portions.

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